AUTHOR INDEX

A

Adams, L. G. 201
Adams, N. R. 817
Anderson, David P. 20, 139, 915
Angstrom, C. I. 729
Antillón, Armando 241
Armstrong, R. L. 799
Ash, Ronald J. 285
Aulisio, C. G. 940
Ausherman, L. T. 644
Ayaz, M. 291

B

Balch, R. K. 163
Ballesteros, Sergio 724
Bankowski, R. A. 481
Barnhart, Robert E. 285
Beard, C. W. 1133
Bedigian, H. G. 1047
Beumer, J. 656
Bickford, A. A. 260, 622
Bide, R. W. 421
Bond, R. E. 687
Boney, W. A., Jr. 639
Booth, G. D. 767
Brewer, Charles E. 1094
Burke, C. N. 319, 467, 541
Burmeister, H. R. 1123
Burmester, B. R. 45, 57, 187, 1087
Butters, Henry E. 907

C

Calnek, B. W. 52, 86, 397, 954
Campbell, C. H. 1057
Carlson, Herbert C. 364, 369, 374, 553, 574, 858
Carlson, Virginia L. 756
Carpenter, James W. 671
Carter, G. R. 1109
Chambers, J. R. 2
Chandler, Francis W., Jr. 741
Choi, Won-Pil 949
Chu, H. P. 512
Chute, Anne M. 1079
Ciegler, Alex 461
Colwell, William M. 461, 1094
Consigli, R. A. 1011, 1019
Coria, M. F. 767. 1103
Corstvet, Richard E. 671
Crinion, R. A. P. 351, 967
Cross, R. F. 649
Cysewski, S. J. 381

D

Dallas, J. T. 457
Damron, B. L. 1042
Devos, A. H. 656
Devriese, L. A. 656
Domermuth, C. H. 852, 952
Donahue, J. M. 501, 506, 529, 687
Douglass, C. S. 852
DuBose, R. T. 852
Dunsing, J. W. 163

E

Eckman, Michael K. 492
Eidson, C. S. 20, 139, 153
El Zein, A. 512
Engle, Alan T. 907

F

Fadly, A. M. 260, 622, 746
Fernández, Pomposo 241
Fernando, M. A. 980
Field, M. 644
Fletcher, O. J. 153, 741
Francis, D. W. 336
Frey, M. L. 780
Friars, G. W. 2
Friend, M. 692, 700

G

Gallagher, J. E. 925
Garrido, C. 45, 52, 1087
Ghoraib, V. 512
Ginn, Robert K. 973
Gledhill, R. H. 78
Goodson, T. 729
Gough, P. M. 817
Gross, W. B. 852, 952
Grunder, A. A. 94

H

Hacking, M. A. 574
Hairr, W. T. 457
Hale, Patricia A. 780
Hall, C. F. 684, 937
Hamilton, Pat B. 461, 1123
Harms, R. H. 1042
Harris, J. R. 1123
Hawk, Susan Thorpe 780
Heddleston, K. L. 381, 578, 729, 925
Helfer, D. H. 1133
Helmboldt, Charles F. 229, 278
Hernandez D., J. 201
Hill, R. W. 163
Hilleman, Maurice R. 191
Hirai, K. 961
Hirose, M. 961
Hofstad, M. S. 351, 817, 967
Hohlstein, W. H. 644
Honegger, K. A. 78
Hong, Chou C. 997
Horton, Richard E. 428
Howell, J. 444
Humphrey, R. P. 492
Huygelen, C. 735, 793

J

Jakowski, R. M. 319
Jankus, E. F. 958
Jasty, V. 558
Johnson, D. C. 1067
Johnson, R. B. 828

K

Kaleta, E. F. 481
Kaliner, G. 1115
Keahey, E. E. 684
Kelton, W. H. 633
Kennedy, A. 2
Kenzy, S. G. 291
Khan, M. A. 1073
Kilgore, Robert L. 72
King, Dyarl D. 20, 915
Kleven, Stanley H. 20, 139, 153, 915
Knudtson, W. U. 1130
Kocan, R. M. 714
Kohls, Robert E. 492, 907
Kottaridis, S. D. 439
Kumar, M. C. 27, 644
Kwatra, M. S. 1035

L

LaCroix, V. M. 139
Lakhotia, R. L. 1029
Lampky, J. R. 343
Langheinrich, K. A. 806
Larsen, C. T. 27
Lee, Lucy F. 799, 1087
Leibovitz, Louis 729, 836
Lewis, James C. 671
Lucio, Benjamín 241, 724
Luginbuhl, R. E. 439, 467, 541
Lukert, Phil D. 521
Lund, Everett E. 1079
Lunger, Philip D. 874

Mc

McClary, C. F. 11
McCullough, Norman B. 428
McFerran, J. B. 413
McGavin, M. D. 587, 606
McKenzie, Basil E. 308
McMurray, B. L. 78

M

Maas, Hendrik J. L. 108, 126
Madden, David L. 428
Maddux, Thomas C. 874
Marquardt, W. W. 986
Mason, Richard A. 973
Mastenbroek, Nel 108, 126
Mathey, W. J. 864
Mátzer Ovalle, N. 945
Meadows, J. Kish 387
Meinecke, C. F. 1130
Miller, Louise T. 558
Miringa, E. N. 1115
Mitchell, R. W. 163
Miura, Shiro 949
Mohiddin, S. M. 680
Moorhead, P. D. 649
Morrison, John A. 671
Moulthrop, I. M. 828
Munger, L. L. 587, 606
Muse, Kenneth E. 1094

N

Nagi, M. S. 718, 864
Naqi, S. A. 937
Nazerian, K. 799
Nehme, S. 512
Newman, J. A. 828, 986
Noren, G. R. 958

O

Okazaki, W. 45, 52, 57, 1087
Olesiuk, Olga M. 278, 833
Olson, H. R. 644
Olson, L. D. 330, 501, 506, 529, 687
Olson, N. O. 387, 535, 1073
Ovalle, N. Mátzer 945

P

Panigrahy, B. 937
Patrascu, I. V. 52, 86, 397
Patterson, J. M. 381
Paul, Prem 27
Pettit, J. R. 858
Pier, A. C. 381
Pomeroy, B. S. 27, 644
Prasad, Suresh 457
Purchase, H. G. 45, 57, 78, 1087

R

Radwan, A. I. 343
Raggi, L. G. 718
Ramakrishna, K. 680
Raymond, R. G. 163
Rebers, P. A. 578, 925
Remmler, O. 980
Reubush, C. B., Jr. 852
Riddell, C. 444, 1118
Rispens, Bart H. 108, 126
Rivelli F., Efren 336
Roberts, E. D. 201
Robertson, A. 94

S

Schat, Karel A. 108, 126
Schwab, B. 806
Scott, Margaret 413
Sevoian, Martin 997, 1047
Sharma, G. L. 1035
Sharma, J. M. 291, 894
Sharma, U. K. 453

Shelokov, A. 940
Shimakura, S. 961
Simmons, Donald G. 521, 1094
Simpson, C. F. 1042
Singh, Gajinder 1035
Singh, K. V. 512
Smith, A. D. 2
Smith, M. W. 86, 954
Smyser, C. F. 270, 833
Snoeyenbos, G. H. 270, 278, 756, 833
Solomon, J. J. 34
Speckmann, G. W. 94
Spencer, J. L. 94
Staley, N. A. 958
Stephens, J. F. 1029
Stockdale, P. H. G. 980
Stone, H. A. 894
Stone, H. D. 639

T

Tauraso, Nicola M. 973
Taylor, H. W. 330
Thilsted, John P. 671
Thurber, W. B. 644
Topp, Ralph C. 364, 369, 374, 1118
Toth, Thomas E. 217, 249, 774
Trainer, D. O. 692, 700

V

van Vloten, Hans 108, 126
Vera, T. 201
Vielitz, E. 11
von Krosigk, C. M. 11

W

Webster, R. G. 1057
Weiss, Raul 535
Wilcox, G. E. 1011, 1019
Will, James A. 308
Winterfield, R. W. 260, 622, 746
Witter, R. L. 34, 666
Wyand, D. S. 319
Wyatt, Roger D. 461, 1123

Y

Yates, Vance J. 558

Z

Zander, D. V. 11, 163, 179
Zein, A. El 512
Zygraich, N. 735, 793

A

AAAP meeting, July 1972, summary 966
adenoviruses, isolation from turkey 413
aflatoxin effects on resistance to *Pasteurella multocida* 381
airsacculitis
  Escherichia coli in 718
  from *Mycoplasma synoviae*, effects of infectious bronchitis virus and Newcastle vaccination 915
anatipestifer syndrome, characterization 836
arizona, isolating serotypes 756
arthritis, virus resemblance to Fahey-Crawley virus 535
Aspergillus flavus, causing aspergillosis in poults 1130
avian reticulotheliosis strain T, infectivity and transmission 330

B

bacitracin vs *Pasteurella multocida* 506
basophils, differentiation from mast cells 574
benlate vs moniliasis in quail 649
bluecomb (*see* enteritis, infectious)
bobwhite (*see* quail)
book notices and reviews 965
breast, acute inflammatory reaction in chicken 553
bronchitis (*see* infectious bronchitis virus)
buquinolate
  continuous medication, effects 907
  vs three *Eimeria* species 492
bursa of Fabricius, source of bluecomb infectious agent 937
bursal disease, infectious (*see* infectious bursal disease)

C

cartilage, abnormal, in weak legs of broilers 457
casein hydrolysate, for preserving Newcastle vaccine 724
CELO in cell culture, cytochemistry and immunofluorescence 558
chlorine vs hemorrhagic enteritis 952
chloromycetin vs *Pasteurella multocida* 506
chlortetracycline
  vs *Pasteurella multocida* 506
  in chickens, effect on antibody response to *Salmonella* 1029
cholera (see *Pasteurella multocida*)
coccidia (see *Eimeria*)
Colinus virginianus (*see* quail)
Coombs' test, commercial anti-species globulin in 741
cowbird, Enterobacteriaceae in 343

D

decomposition postmortem
  in chicken kidney 606
  in chicken liver 587
2,4-dimethoxy-6-sulfanilamide-1,2-diazine (see sulfadimethoxine)
disease reports
  North Central States 1152
  Northeastern States 1167
  Southern States 1137
  Western North America 1174
duck, tuberculosis in, diagnosis 1035
duck virus hepatitis 692
  cell culture 973
  vaccines vs 217, 249, 774

E

Eimeria, buquinolate vs 492, 907
Eimeria brunetti, interaction with *Escherichia coli* in chickens 864
encephalomyelitis, antibody detection 949
enteritis
  hemorrhagic, chlorine vs 952
  hemorrhagic, test for in turkey 852
  infectious, bursa of Fabricius as source of agent 937
  transmissible, of turkeys, characterization 817
Enterobacteriaceae from wild birds in Michigan 343
erythroblastosis, plasma alkaline phosphatase changes in 421
erythromycin vs *Pasteurella multocida* 506
Escherichia coli
  in airsac disease 718
  in anatipestifer syndrome 836
  interaction with *Eimeria brunetti* in chickens 864
ethylenediamine dihydriodide vs moniliasis in quail 649

F

Fabricius (*see* bursa of Fabricius)
Fahey-Crawley virus
  resemblance to arthritis virus 535
  synovial lesions from 1073
fatty liver syndrome, new observations 1042
filtered-air positive-pressure ventilation vs Marek's disease 20
fowl cholera (see *Pasteurella multocida*)

furacin vs *Pasteurella multocida* 506
furadantin vs *Pasteurella multocida* 506
furazolidone effects on poults 958
furoxone vs *Pasteurella multocida* 506
fusariotoxicosis in avians 1123

G

gantrisin vs *Pasteurella multocida* 506
gentian violet vs moniliasis in quail 649
granulomas, hepatic, from *Streptococcus faecalis* var *liquefaciens* 201
guidelines for authors 465, 1189
guinea fowl, potential for contaminating soil with *Histomonas*-bearing heterakid eggs 1079
Gumboro disease (*see* infectious bursal disease)

H

hamster, kidney cells in culturing herpesvirus of turkeys 1047
heart, influenza effects on, in turkey 308
hemorrhagic enteritis (*see* enteritis)
hepatitis
  duck, in the mallard 692
  duck, vaccines vs 217, 249, 774
  inclusion-body, in broilers 858
herpesvirus, avian, six compared 799
herpesvirus of turkeys
  assay 52, 285, 397
  cell culture 285, 1047, 1087
  vs Marek's disease 27, 34, 57, 78, 954
  nononcogenic for turkeys 666
  replication in inoculated animals 793
  serology in chicks 735
  vaccine efficacy 86
  vaccine storage 45
Heterakis gallinarum eggs bearing *Histomonas*, contaminating soil 1079
heterophils
  cell separation 364
  histochemistry 369
  phagocytic properties 374
Histomonas in heterakid eggs contaminating soil 1079
Hygromycin-B causing lesions in pigeons 714

I

IBV (*see* infectious bronchitis virus)
inclusion-body hepatitis in broilers 858
infectious bronchitis virus
  evaluating efficacy 541
  evaluating immune response 260, 767
  isolates from commercial vaccines 746
  outbreaks in vaccinated broilers 828
  pathogenicity of four serotypes 351
  pathogenicity of two embryo-passage levels 967
  serology of seven strains 1103
  simplified serum neutralization for 512
  vaccination with, effects on air-sacculitis from *Mycoplasm synoviae* 915
  vaccine, evaluating effectiveness 467
infectious bursal disease
  identification in Mexico 241
  immunodiffusion reaction to 961
  viral morphogenesis 874
  virus infectivity and distribution in chicken 622
infectious enteritis (*see* enteritis)
infectious laryngotracheitis, isolates producing pneumonitis and air-sacculitis 278
influenza
  antigen, identifying 1057
  in turkey, heart changes from 308
  two viruses in Oregon 1133
interferon, production by two Newcastle strains 481

K

kanamycin vs *Pasteurella multocida* 506
kidney of chicken, postmortem decomposition 606
kinky back (*see* spondylolisthesis)

L

laryngotracheitis, infectious isolates producing pneumonitis and air-sacculitis 278
leg weakness, with abnormal cartilage 457
liposarcoma in a fowl 680
liver
  of chicken, postmortem decomposition 587
  fatty syndrome, new observations on 1042
  granulomas, four bacterial species isolated from turkey 806

M

magnesium sulfate, failure to preserve Newcastle vaccine 724

marble spleen disease in ring-necked pheasant 319
Marek's disease
antibodies, test for 986
attenuated strain protection 94
avirulent strain, evaluation of protection 108, 126
blood vs 163
bursal lesions from 153
cell culture, cytopathic effects 291
filtered-air positive-pressure system vs 20
future research on control 187
genetic resistance 894
mycoplasma effects on virus 521
precipitating antibody development 439
present countermeasures 179
selection for resistance 2, 11
serology 997
symposium 1-200
transfer of maternal resistance 139
turkey herpesvirus vs 27, 34, 57, 78, 954
vaccine efficacy 72
vaccine implications in biology and human medicine 191
mast cells, distribution and differentiation from basophils 574
Molothrus ater (*see* cowbird)
moniliasis in quail, prophylaxis 649
mourning dove, bacteriology of respiratory tract 671
Mycobacterium avium in duck, detection 1035
mycoplasma
effects on Marek's disease virus 521
SA serotype, chicken reactions 428
serotypes divided into groups 780
Mycoplasma gallisepticum, enhancing growth 633
Mycoplasma meleagridis, in Guatemalan turkeys 945
Mycoplasma synoviae
airsacculitis as affected by infectious bronchitis and Newcastle vaccination 915
requirement for nicotine adenine dinucleotide 387
mycotoxin tremortin A effects on chickens 461

N

neomycin vs *Pasteurella multocida* 506
neoplasm in peahen 1115
nephrosis (*see also* infectious bronchitis and infectious bursal disease)
nervous system diseases, differentiation 229
neuraminidase, identifying on influenza antigen 1057
Newcastle disease
antibodies, standardizing test for 1011
beta-propiolactone-inactivated vaccine 639
exotic, in Texas 684
immunology response in chickens 1019
interferon production of two strains 481
in the mallard 700
in Paraguay 336
vaccination with, effects on airsacculitis from *Mycoplasma synoviae* 915
vaccine preservation by casein hydrolysate 724
nicotine adenine dinucleotide requirement of *Mycoplasma synoviae* 387
North Central States disease reports 1152
Northeastern States disease reports 1167
notices 966, 1191
novobiocin vs *Pasteurella multocida* 506
Numida meleagris (*see* guinea fowl)
nystatin vs moniliasis in quail 649

O

oleandomycin vs *Pasteurella multocida* 506
ormetoprim vs fowl cholera in turkey 687

P

Pasteurella anatipestifer in anatipestifer syndrome 836
Pasteurella multocida
aflatoxin vs resistance to 381
biochemic characteristics 501
chemotherapy vs 506
cross immunity to 578
from free-flying birds, biochemistry and serology 729
isolates found in different years 529
serotyping test 925
somatic strains, simplified identification 1109
sulfadimethoxine and ormetoprim vs in turkey 687
Pavo cristatus (*see* peahen)
peahen, malignant lymphoid neoplasia in 1115
penicillin vs *Pasteurella multocida* 506
Penicillium, mycotoxin from 461

pheasant
marble spleen disease in 319
pulmonary lesions from *Syngamus trachea* 980
pigeon
lesions from Hygromycin-B 714
Salmonella typhimurium copenhagen in 270
polymyxin B vs *Pasteurella multocida* 506
polyoma virus antibodies, standardizing test for 1011
proventriculus, intussusception of in chickens 453

Q

quail, moniliasis in, prophylaxis 649

R

reovirus, enteric, causing high mortality in poults 1094
reticuloendotheliosis strain T infectivity and transmission 330

S

Salmonella, monitoring programs in turkey 644
Salmonella typhimurium
in chickens, chlortetracycline effects on response 1029
transmission in batteries 833
var. copenhagen, pigeon-adapted strain 270
sodium propionate vs moniliasis in quail 649
Southern States disease reports 1137
spondylitis, mycotic, in broilers 1118
spondylolisthesis in broilers 444
Staphylococcus aureus
in acute inflammatory reaction in chicken breast 553
colonization on sprayed chicks 656
statistical methods for evaluating immune response to IBV 767
Streptococcus faecalis var *liquefaciens*, hepatic granulomas from 201
streptomycin vs *Pasteurella multocida* 506
sulfadiazine vs *Pasteurella multocida* 506
sulfadimethoxine vs fowl cholera in turkey 687
sulfathiazole vs *Pasteurella multocida* 506
Syngamus trachea in pheasant, lesions 980

T

T-virus, infectivity and transmission 330
techniques
Coombs' test, use of commercial anti-species globulin in 741
culturing herpesvirus of turkeys 1047, 1087
detecting encephalomyelitis antibody 949
differentiating mast cells from basophils 574
enhancing growth of *Mycoplasma gallisepticum* 633
identifying influenza antigen 1057
identifying *Pasteurella multocida* strains 1109
isolating arizona serotypes 756
serotyping test for *Pasteurella multocida* 925
serum neutralization simplified for infectious bronchitis virus 512
test for Marek's disease antibodies 986
tenosynovitis, diagnosis, pathology, and etiology 1067
terramycin vs *Pasteurella multocida* 506
tetracycline vs *Pasteurella multocida* 506
transmissible enteritis of turkey, characterization 817
tremortin A, effects on chickens 461
trypan blue in acute inflammatory reaction in chicken breast 553
tuberculosis (see *Mycobacterium avium*)
turkey herpesvirus (*see* herpesvirus of turkeys; *see also* Marek's disease)
turkey liver granulomas, four bacterial species isolated 806
Twiehaus leukosis virus, infectivity and transmission 330

V

viral antibody test attempted on other microbial infections 940

W

Western North America disease reports 1174